

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Cancelled)

2. A cold spray apparatus comprising:

a gas controller for controlling a gas supply amount of main gas and residual gas;

a gas heater for heating the main gas supplied under the control of the gas controller;

a powder feeder for receiving the residual gas under the control of the gas controller and supplying a coating powder together with the residual gas;

a powder preheating device for preheating the coating powder supplied from the powder feeder including The cold spray apparatus of claim 1, wherein the powder preheating device includes: a housing; a heater mounted on the housing to perform resistance heating; and a powder transfer pipe formed within the housing in a screw shape in order for fluid communication between the powder feeder and the mixing chamber, the powder transfer pipe transferring the coating powder;

a mixing chamber for mixing the heated main gas with the preheated coating powder;

a temperature controller for adjusting temperature by controlling the powder preheating device and the gas heater; and

a nozzle for spraying the coating powder mixed in the mixing chamber.

3. (Currently Amended) The cold spray apparatus of claim [[1]]2, wherein the powder transfer pipe is made of stainless steel.